09940653 "030230

FIG. 1

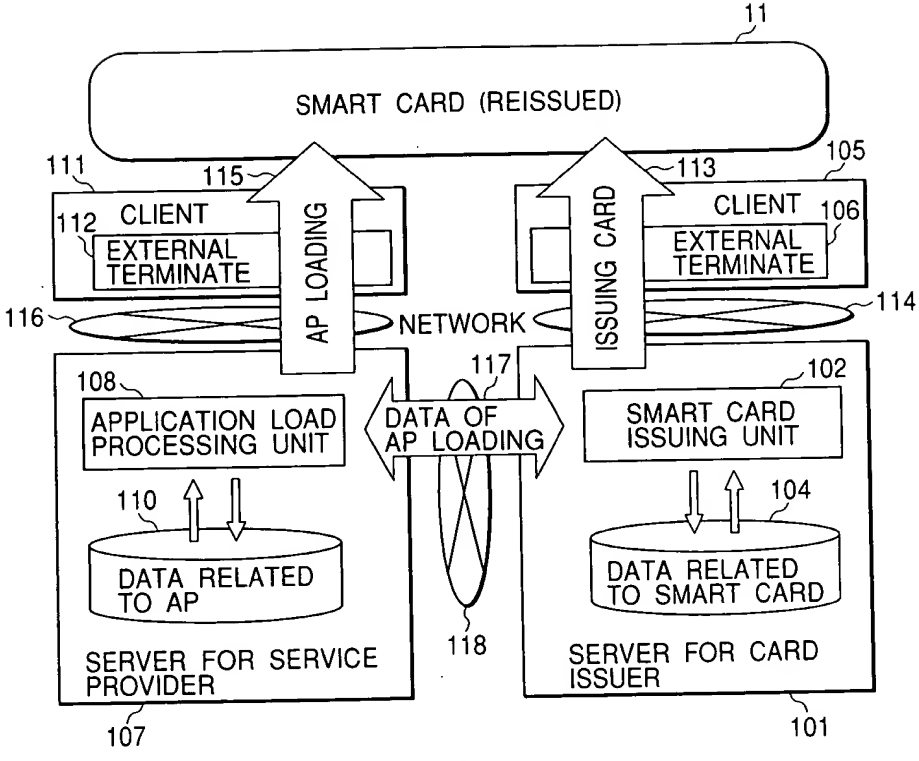


FIG. 2

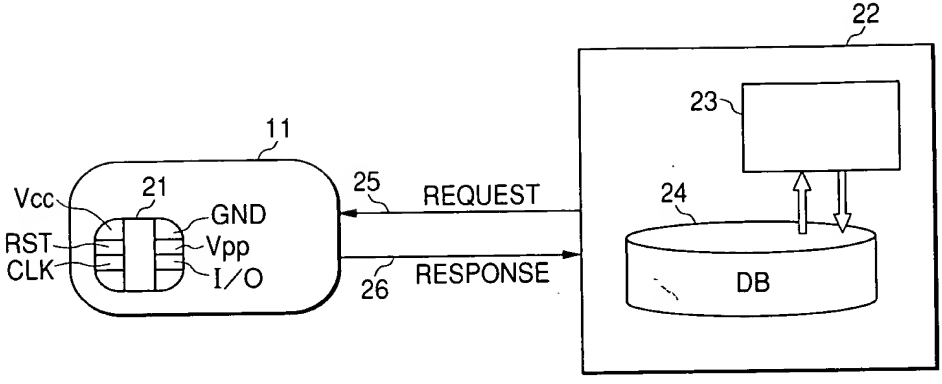
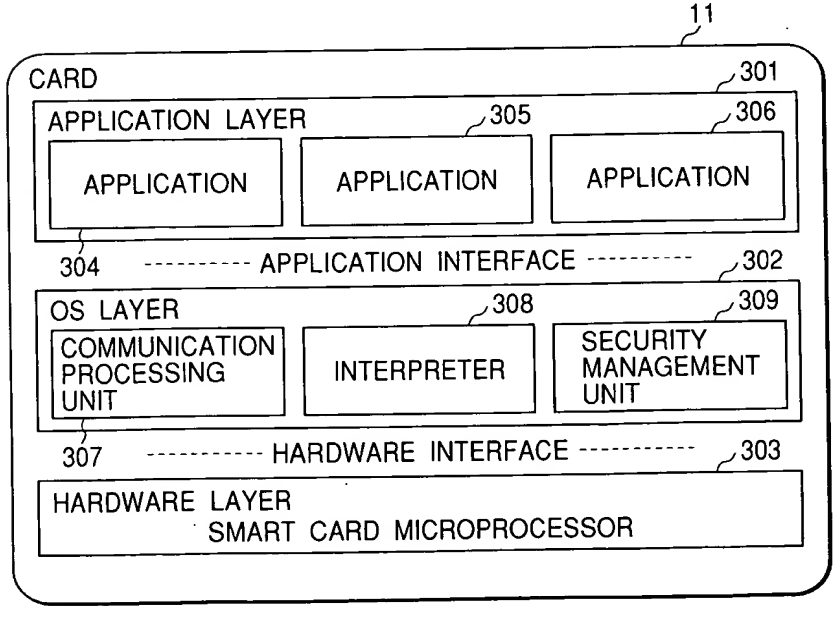


FIG. 3



09510663.082901

T06280 '2990+660

FIG. 4

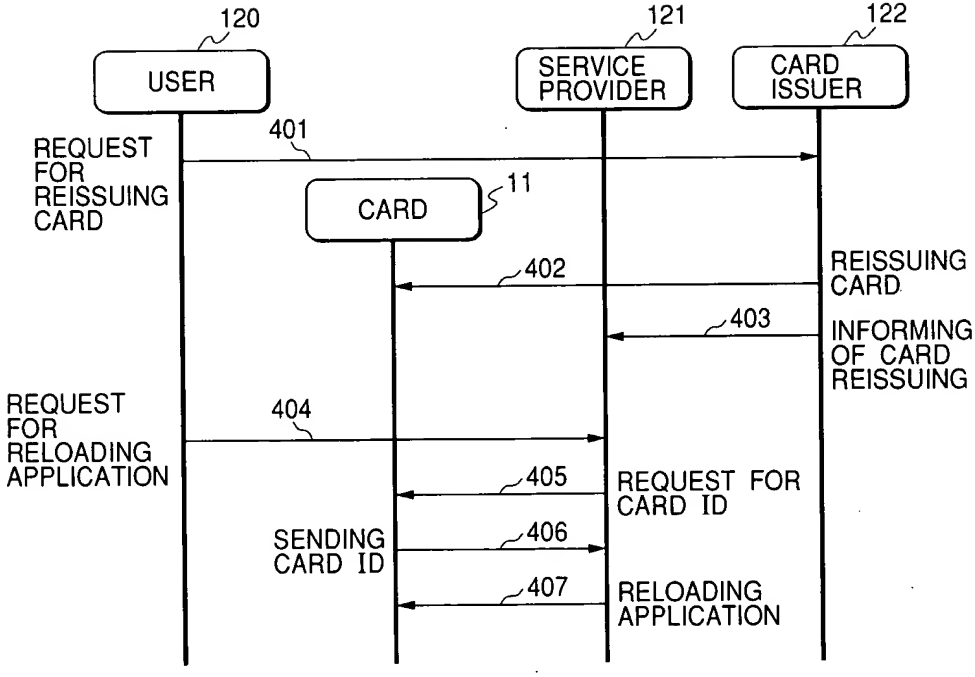


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FIG. 5

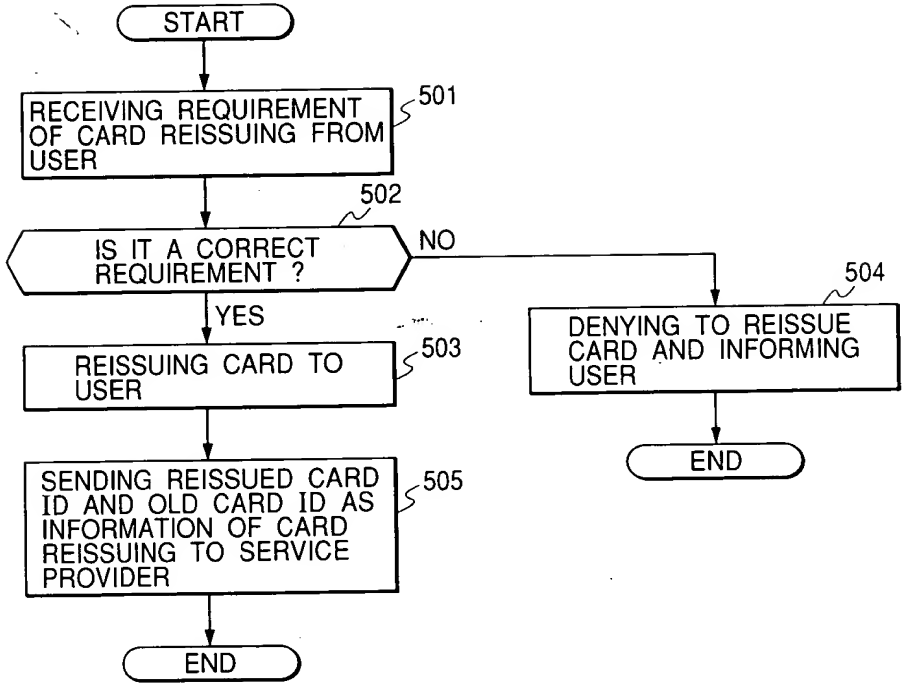

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FIG. 6

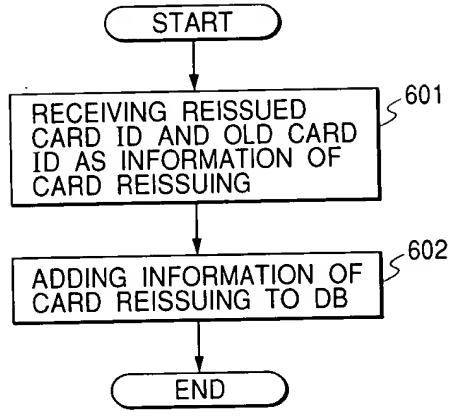

FIG. 7

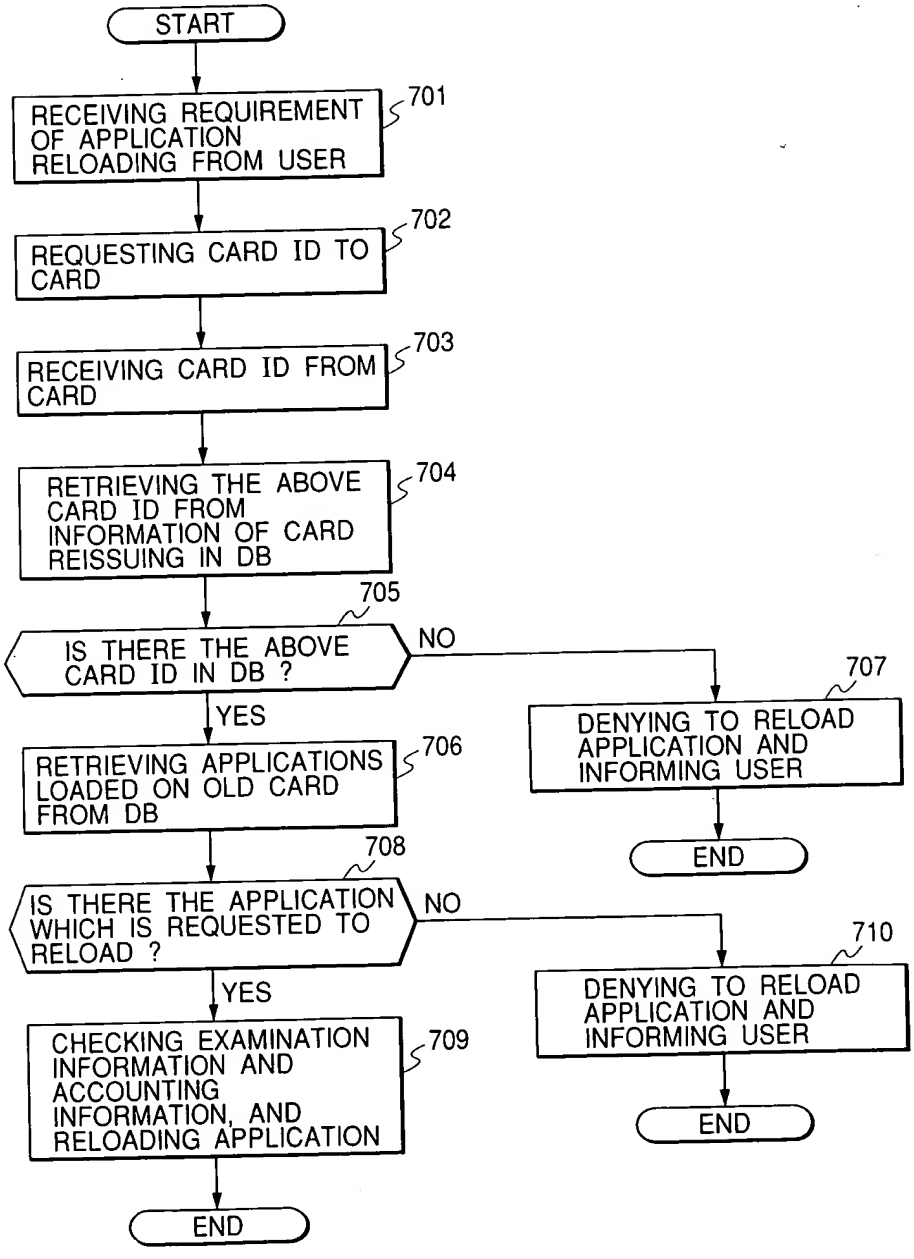

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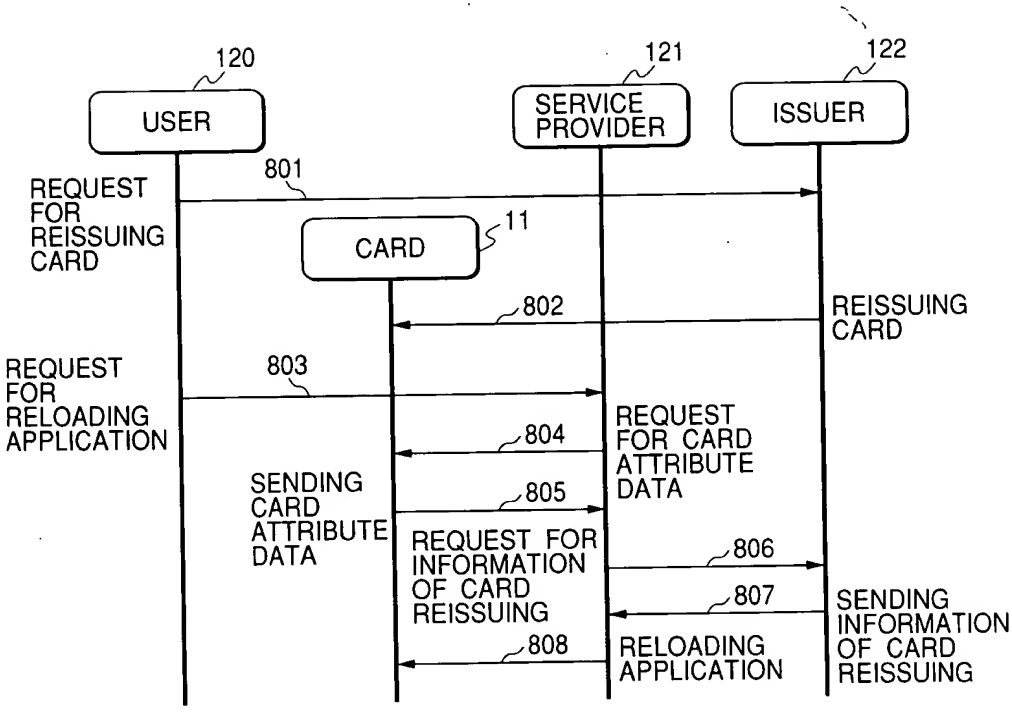
FIG. 8


120
USER
121
SERVICE PROVIDER
122
ISSUER
801
REQUEST FOR REISSUING CARD
CARD
11
802
REISSUING CARD
803
REQUEST FOR RELOADING APPLICATION
804
REQUEST FOR CARD ATTRIBUTE DATA
805
SENDING CARD ATTRIBUTE DATA
REQUEST FOR INFORMATION OF CARD REISSUING
806
807
SENDING INFORMATION OF CARD REISSUING
808
RELOADING APPLICATION

09640563.082501

FIG. 9

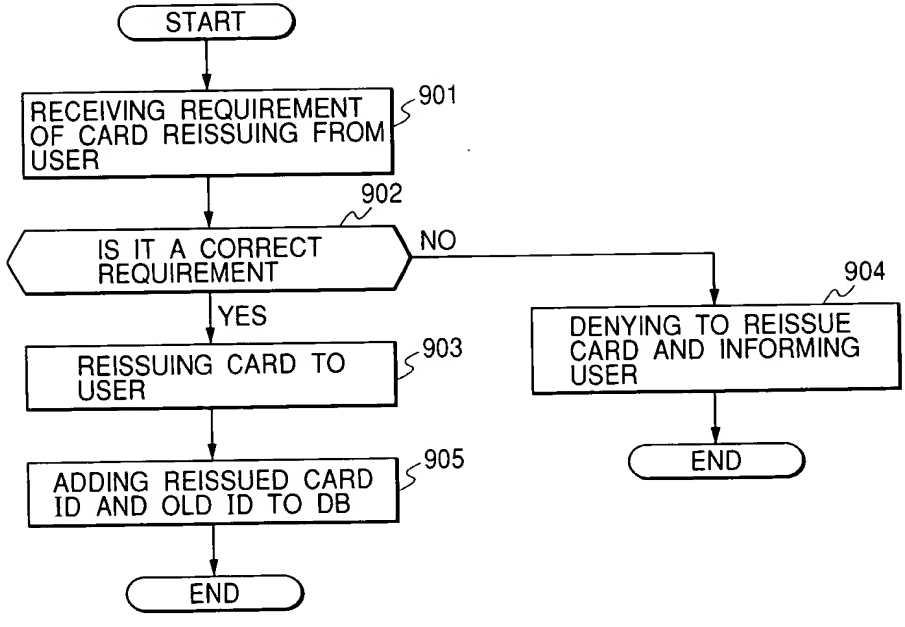


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FIG. 10

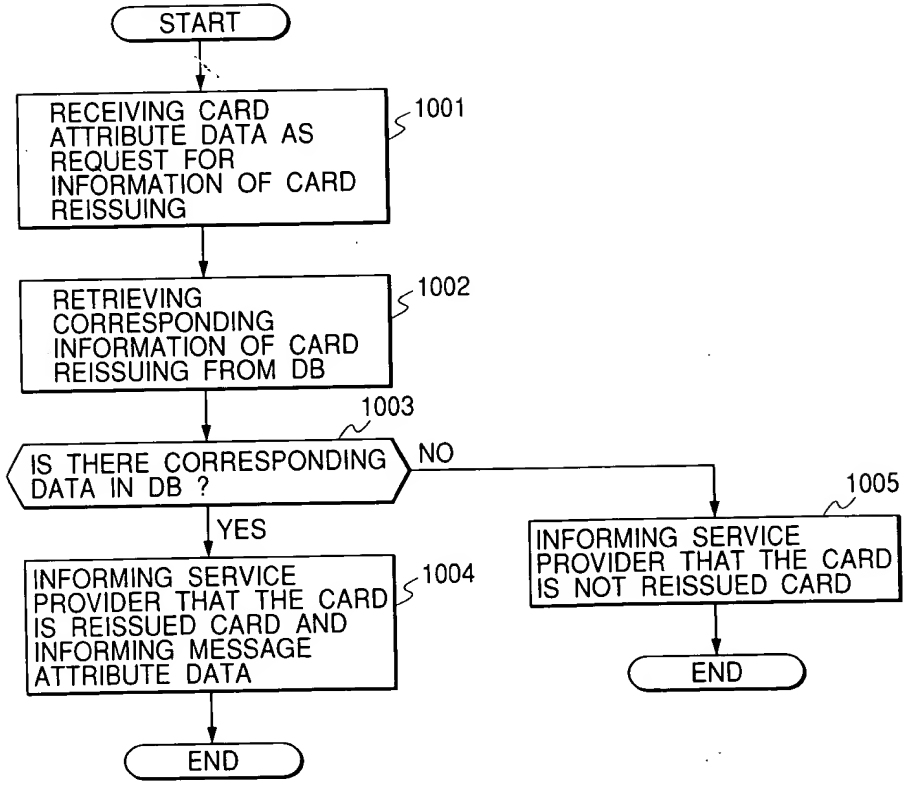


FIG. 11

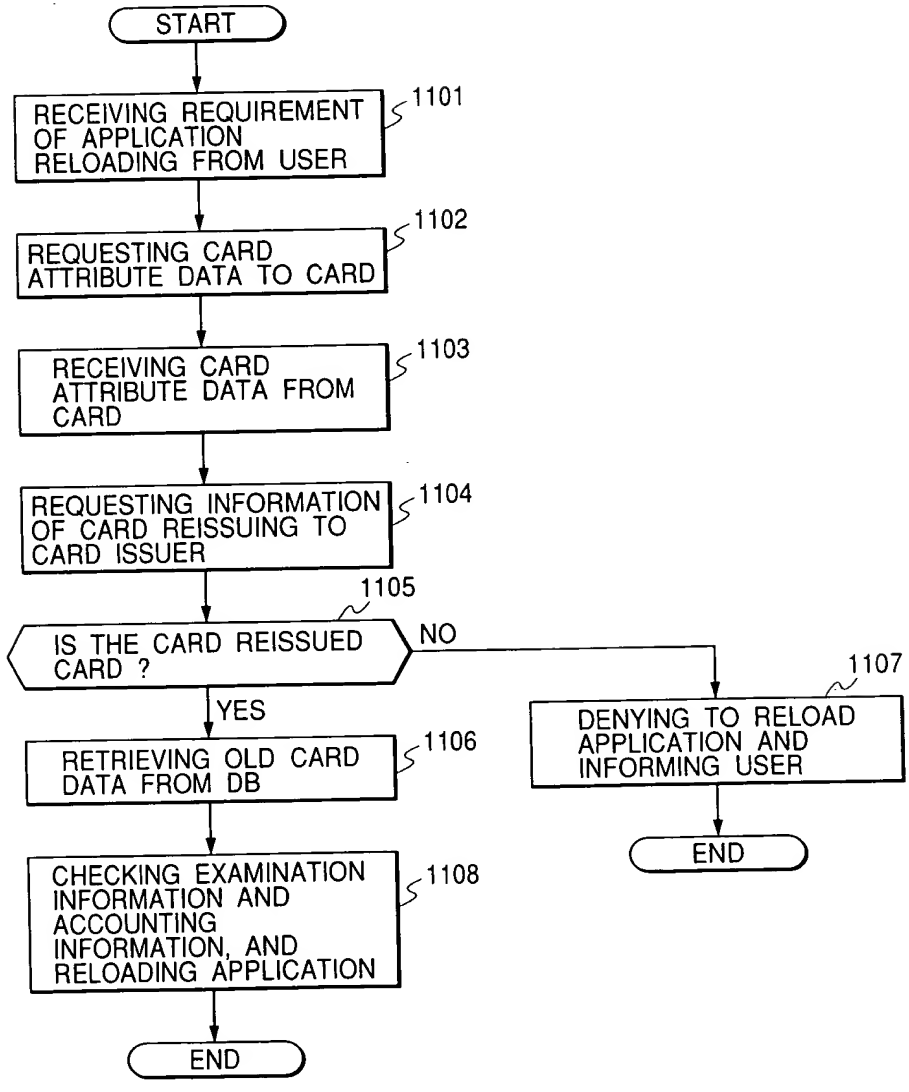

START
RECEIVING REQUIREMENT OF APPLICATION RELOADING FROM USER
1101
REQUESTING CARD ATTRIBUTE DATA TO CARD
1102
RECEIVING CARD ATTRIBUTE DATA FROM CARD
1103
REQUESTING INFORMATION OF CARD REISSUING TO CARD ISSUER
1104
1105
IS THE CARD REISSUED CARD ?
NO
YES
1107
DENYING TO RELOAD APPLICATION AND INFORMING USER
END
RETRIEVING OLD CARD DATA FROM DB
1106
CHECKING EXAMINATION INFORMATION AND ACCOUNTING INFORMATION, AND RELOADING APPLICATION
1108
END

FIG. 12

HEADER	PLATFORM TYPE	OLD CARD ID	REISSUED CARD ID

FIG. 13

#	OLD CARD ID	REISSUED CARD ID
1	100001	987654
2	100018	333333
...	...	...

FIG. 14

#	CARD ID	USER NAME	EXAMINATION INFORMATION	ACCOUNTING INFORMATION	APPLICATION ID LOADED ON CARD
1	100001	JOHN SMITH	$3,000	...	[111,222,333]
2	100002	ICHIRO SUZUKI	$5,000	...	[222]
...	...	...	...	...	...

0996056.082601

FIG. 15

HEADER	PLATFORM TYPE	CAPABILITY TO REISSUE OK/NG ?	MESSAGE ID

FIG. 16

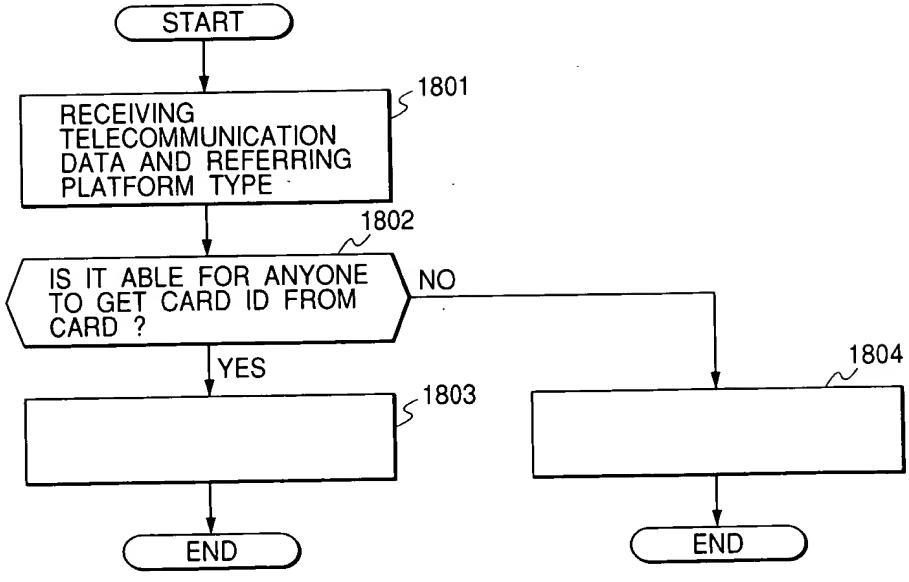
#	CAPABILITY TO REISSUE OK/NG ?	MESSAGE ID
1	OK	123456789
2	NG	—
...	...	...

FIG. 17

#	MESSAGE ID	USER NAME	EXAMINATION INFORMATION	ACCOUNTING INFORMATION	APPLICATION ID LOADED ON CARD
1	123456789	JOHN SMITH	$3,000	...	[111,222,333]
...	...	...	...	...	...

09450563 082901

FIG. 18



TOKEN-EP0990660

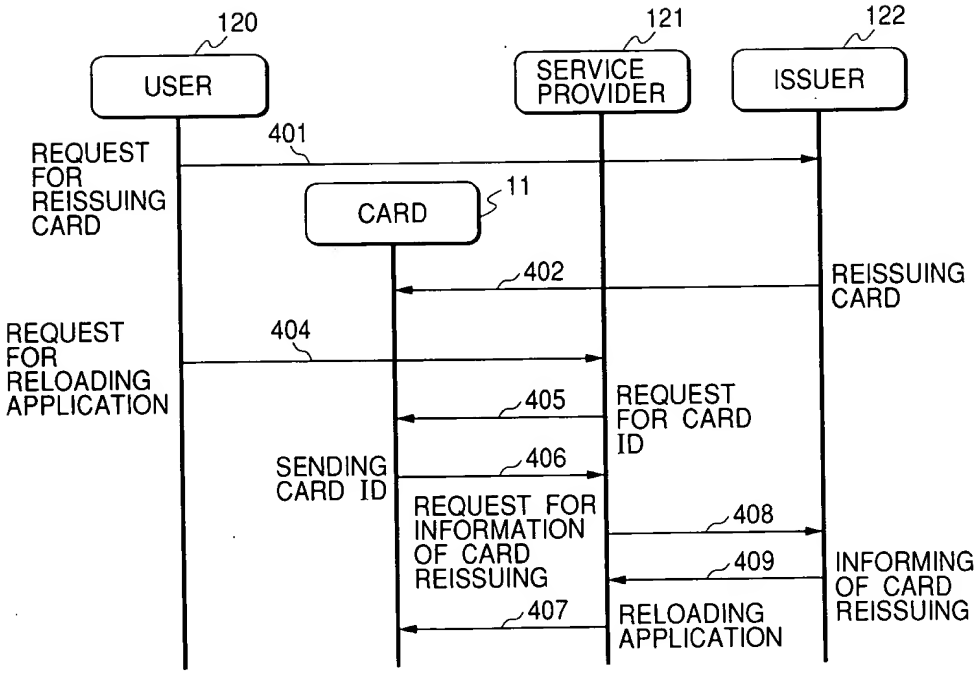



FIG. 19